Today's Topics:
                    A.T. (Antiquated Technology)
                              ARRL
                   CoCo WEFAX 105 Program
                    Mods for ICOM IC-27
                        RCA Series 700
           Re^2: What's a good "FCC class B" PC/AT c
                 rec.ham-radio is out of control
               Satellite tracking program for UNIX

Date: 6 Dec 89 16:19:16 GMT
From: oliveb!orc!mipos3!smdvx1.intel.com!fergie@apple.com   (Dave Ferguson ~)
Subject: A.T. (Antiquated Technology)
Message-ID: <1331@mipos3.intel.com>

     A.T. (Antiquated Technology)

        A friend just recieved an H-89 to use as a packet
     terminal.   PROBLEM: He needs a smart terminal type program
     to interface to his packet station. Does any one out there
     know of such,and where to acquire it.

        Dave Ferguson mail stop sc4-57
        c/o Intel 2625 walsh
              Santa Clara Ca. 95051
        (408) 765-4531

Date: 6 Dec 89 15:41:48 GMT
From: mfci!rodman@uunet.uu.net   (Paul Rodman)
Subject: ARRL
Message-ID: <1152@m3.mfci.UUCP>

In article <7327@cbnewsm.ATT.COM> rma@mhgki.ATT.COM writes:

>an ASM. That being said, I agree with the views expressed. I don't care if
>you like it or not, modification for out of band service (MARS and CAP
>excepted) seems to be illegal. What gives hams the right to do this? What if
>everyone started carrying around non-type approved radios on police/fire/etc
>frequencies. What if CBers start modifying their radios to operate on 10m.
>Where do you draw the line.

I expect to be able to own radios that have the ability to xmit out of
the ham bands. I DO NOT expect to be able to xmit into anything other
than a dummy load. THIS is where you draw the line, at least in this

country.

My IC735 has the diodes clipped so that it xmits over the entire
range, and several times I have used it as a signal generator (at
various IF freqs) by running it into a dummy load with a loop of wire
antenna wrapped around the radio. (I know, I know, I should have a
dummy load with a tap on it). A Very Useful Device.

I consider my radios as signal generators, not just radios. Are you
going to tell me I can't own a signal generator? I'm glad YOU don't
run things.

73,

Paul K. Rodman / KA1ZA /   rodman@multiflow.com
Multiflow Computer, Inc.   Tel. 203 488 6090 x 236
Branford, Ct. 06405

Date: 6 Dec 89 03:03:19 GMT
From: unsvax!arrakis.nevada.edu!storkus@uunet.uu.net   (Mike Storke (N7MSD))
Subject: CoCo WEFAX 105 Program
Message-ID: <1095@unsvax.NEVADA.EDU>

  This is a message I received. I am unable to reply to him, but seeing as
there is a thread developing for this stuff, the reply may be of use to the
entire net. Here is the message (edited to take out the MANY CR's that made
it take up the whole screen-no content edited out):
****
From: <uunet!att.att.com!ulysses!nsscb!rhc@nevada.edu>
Message-Id: <8912022021.AA14973@uunet.uu.net>
Date: Sat, 2 Dec 89 13:48 EST
To: arrakis.nevada.edu!storkus@unsvax.nevada.edu
Subject: Re: Weather Facsimile Reception
Newsgroups: rec.ham-radio
In-Reply-To: <1073@unsvax.NEVADA.EDU>
References: <341@aeshq.UUCP> <1510@qip.UUCP>
Organization: AT&T NSSC S. Plainfield, NJ
Cc:
    You mentioned a possibly PD program for wefax reception/dispaly ?
    Could you send more info if possible ?
    Particularly, I am interested in source for usage under UNIX and
display under Xwindows.
            Thanks,
--
        Rick Calder, AT&T National Systems Support Center

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              [att!]rick!rick      rick@rick.att.com
                  attmail!rcalder


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Actually, the message had a copy of the ending .signature message, which I also
deleted, as well as some of the header information (added by the mailer daemon)
but here is my reply message.  I am also going to add some stuff for those on
the net (in case anyone is interested).
*****************************************************************************
  Sorry to tell you this, but it's not an OS-9 program.  It runs on RSD on the
CoCo, and bypasses the disk system and writes directly to disk, thus requiring
a clean floppy to do it.  The reason for this is because it saves a graphics
image directly to disk, and its so big that the disk can only hold 2!
  It would be EASILY possible to modify the program and port it to OS-9 as far
as the file system is concerned, but the driver for reading the FAX from the
tape port (I did say that in my posting, is is hardware specific to the CoCo)
requires machine language because of the tight timing requirements.  Because
OS-9 is a timesharing system, there may be a problem with this, as it will
screw up the clock and timing, as they both depend on the IRQ line from the
clock, and it must disable this line in order to retain the proper timing (all
serial/parallel conversion is handled by software here, just as in the bit-
banger port).  Hope this helps with your decision.  If you still want more
info, it would be easy for me to send you the program, as it is quite small.
Hope this helps again.  73's (best wishes),
*****************************************************************************
  For those on the net, the program is called WEFAX 105. It runs on any version
of Color Computer and runs on Disk Extended Color Basic (DECB), thus requiring
1 disk drive.  It uses the built in tape recorder port to demodulate and
decode the signal, which can be supplied from anything.  The main problem is
that you do not have any grey ranges, and you must be careful how high you set
the audio level on the radio (a friend of mine knows someone who blew out the
port by setting the audio too high).  It works VERY nicely (hey, its FREE) for
what it will cost you (if you already own a CoCo and a radio to receive the
transmissions with, all you have to do is make (or, if the connector is right,
just buy) a cable to connect the port (its a 5 pin DIN female plug) and the
audio from the radio.  My friend has used it and likes it alot.  If anyone
wants it, I can send it to them through the mail system.  I'm also thinking
of putting it on LISTSERV if enough people want it.  That's all for now, 73's,
*****************************************************************************
Mike P. Storke, N7MSD NOTICE: Use my HOME QTH address until mid January.
Inet: storkus@arrakis.nevada.edu  Packet: KF7TI @ LAS:K7WS-1 or VEGAS:P0TOSI
Snailmail: Box 6 Minden, Nv 89423:HOME QTH.  And I claim EVERYTHING I SAY!!
"Pascal: The Handcuff of the programmer.  I WANT MY C!!!!!!!!!!!!!"


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Date: Tue, 5 Dec 89 21:12 CST
From: "James P. Ley" <LEY%UWSTOUT.BITNET@CUNYVM.CUNY.EDU>
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Subject: Mods for ICOM IC-27

My high-school science teacher has an ICOM IC-27H and would like to modify it
to receive above the ham bands. Could anyone on the net post or e-mail those
mods. Thanks.

                  Mike Ley, N9GQU

Date: Wed, 06 Dec 89 08:36:54 EST
From: bill gunshannon <702WFG%SCRVMSYS.BITNET@CORNELLC.cit.cornell.edu>
Subject: RCA Series 700

Well, it seems I picked up this here RCS Series 700 radio. It has
only one small problem. It is completely intact and in working order
except for channel elements! So, does anyone have any laying around
or know where I might be able to find a bunch?? I figure this radio
should make a really great 6 Meter FM rig for the car.
Anybody help??

KB3YV

                           bill gunshannon
                        702WFG@SCRVMSYS.BITNET

Date: 6 Dec 89 14:51:38 GMT
From: cica!ctrsol!IDA.ORG!roskos@tut.cis.ohio-state.edu   (Eric Roskos)
Subject: Re^2: What's a good "FCC class B" PC/AT c
Message-ID: <1989Dec6.145138.8692@IDA.ORG>

phil@ux1.cso.uiuc.edu writes:
>...building your own
>system from those CPU motherboards you can buy (from Jameco and others)
>and put it on your own real Faraday cage. If you hunt around you can even
>build your own system cheaper than buying one complete.

Regarding Jameco... I haven't had much good experience with them,
myself. I bought a CPU board (the JE1003) from them about 2 years ago
which was a *lot* of trouble -- it had (still has) timing problems that
they knew existed when they sold it, and after I found out it was having
trouble and wrote to them (thinking at the time that it was just a
faulty board), they wrote back saying that indeed they knew about the
problems, couldn't get the manufacturer to fix it, and didn't have any
documentation on the board. They then suggested that I buy a new board

they were getting ready to come out with! Having just spent nearly $400
on the faulty board, I wasn't too pleased with this suggestion.

About 6 months ago, I bought a prototype board from them, and again was
disappointed with its quality. The board itself is OK, but has no
solder masking or other higher-quality features, and did not come with a
back-panel mounting plate, so the board tends to wobble back and forth,
and had to have an RF shield constructed for it to cover up the opening
in the back of the chassis left by their omission of the mounting plate.
Subsequently I bought a JDR prototype board (about the same price), for
another project, and found it to be of *much* better quality. Jameco
has a lot of parts (ICs, primarily) that aren't available at many of the
other places, and are good for ordering that type of thing from, but
when it comes to PC subassemblies, they seem to not be very
quality-conscious.

JDR, on the other hand, is quite good, and their parts generally have
FCC-compliance labelling on them (though, as was mentioned, this in
itself is not very sufficient for use with radio). DoKay also used to
be very good, and unusually conscientious, but they were a very small
company and apparently went out of business about a year ago, since they
don't advertise any more and their phone has been disconnected.

[Disclaimer: I have no connection with any of these companies other than
my experience in buying from all three of them.]
--
Eric Roskos (roskos@CS.IDA.ORG or Roskos@DOCKMASTER.NCSC.MIL)

Date: 6 Dec 89 13:19:47 GMT
From: shlump.nac.dec.com!leaf.enet.dec.com@decwrl.dec.com (Steve Dowman)
Subject: rec.ham-radio is out of control
Message-ID: <6646@shlump.nac.dec.com>

In article <1702@ultb.isc.rit.edu>, cep4478@ultb.isc.rit.edu (C.E. Piggott)
writes...
{
{I am not the soapbox-preaching type, but I think that rec.ham-radio is
{*VERY* out of control. The volume of traffic has gotten high while
{the content has degraded to petty bickering and text that has deviated
{unexcusably from the purpose of this newsgroup.

  Quite similar to what you may hear on 14313. Should rec.ham-radio be
  any different? I'm not a ham but I find it interesting that this hobby
  can become so serious, political and create a "I was here first"
  mentality among grown men. Perhaps its just human nature.

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 *_____*_____*_____*
 | Steve Dowman  | Email: s_dowman@leaf.enet.dec.com            | Home:            |
 | d|i|g|i|t|a|l |   -or- s_dowman%leaf.dec@decwrl.dec.com | 145 Coburn Woods |
 | Littleton, MA |   -or- ...!decwrl!leaf.dec.com!s_dowman | Nashua, NH 03063 |
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Date: Tue, 5 Dec 89 23:53:15 PST
From: elmquist@nips.ssesco.com
Subject: Satellite tracking program for UNIX
Message-ID: <8912060553.AA11643@nips.ssesco.com>

I saw a title for a message that mentioned satellite tracking software
and UNIX...but I never got the body of the posting. I'm guessing
someone was *looking* for said piece of software. I am too. Does
anything exist in source form that can be brought up under UNIX?
I have something called ORBIT23.C which came from SIMTEL-20..but
this piece does not calculate pointing angle (sometimes known
as squint angle) and appears to flake out when the AZ calculation
crosses from 2 digits to 3 (ie, from 99 to 100 degrees) or visa-versa
I haven't fully researched this phenomenon...but it left me wondering
about the accuracy of the calculations. Someone must be tracking
birds on a UNIX box... let's find out who--   Chris N0JCF

End of INFO-HAMS Digest V89 Issue #979
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